ENERGINET FINGRID Statnett SVENSKA KRAFTNÄT

NORDIC MARKET EXPERT GROUP

NORDIC EDIEL CODE LIST LIBRARY

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1 Introduction

The *Nordic Ediel Code List Library* shows codes maintained by the Nordic Market Expert Group (NMEG), used in the Nordic energy market.

NMEG seeks to use codes from international standardisation bodies, such as ENTSO-E, ebIX® and UN/CEFACT. When the need for a new code turns up and there is no available code issued by a relevant body, NEG will issue a Nordic code, normally having three 3 letters and/or digits, starting with the letter Z. Normally NEG will send a Maintenance Request (MR) asking for a new code from one of the relevant international standardisation bodies. In special circumstances the NEG Znn code may be permanent.

The following code prefixes are normally used:

Ann	ENTSO-E codes
Bnn	ENTSO-E codes
Cnn	ENTSO-E codes
Enn	ebIX® codes
Nnn	NorNed codes
xxx	UN/CEFACT codes
Znn[1]	Nordic codes

Where:
n = number
x = number or character

1.1 References

[1] ENTSO-E code list, see https://www.entsoe.eu/publications/electronic-data-interchange-edi-library
[2] UN/CEFACT Code lists (UNCL), see http://www.unece.org/trade/untdid/welcome.htm
[3] ebIX code list, see http://www.ebix.org/

1.2 Change log

Ver/rel/rev	Changed by	Date	Changes
2.1F	Ove Nesvik	20260618	• Addition of new Role type code: **Z07** FFR Service Provider • Deprecation of Role type code: **Z06** Regional Security Coordinator (Use **A44,** Regional Security Coordinator (RSC) instead)
2.1E	Ove Nesvik	20260416	• Addition of new Contract type code: **Z08** Day ahead auction NSL process
2.1D	Ove Nesvik	20260206	• Removed “Reserved…” from Process code, i.e. the code

[1] When reaching the ceiling of Znn codes for (**Z99),** alphanumeric values may be used for the "nn" part.

			is approved by NMEG: **Z17** Intraday auction NSL
2.1C	Ove Nesvik	20260116	• Reserved new Process code for eSett: **Z17** Intraday auction NSL
2.1B	Ove Nesvik	20251210	• Addition of new Reason code: **ZB1** Data not applicable due to change of ownership
2.1A	Ove Nesvik	20251204	• Addition of new Business Type code: **ZA7** Droop
2.0O	Ove Nesvik	20250911	• The reserved new Reason code **ZA9** is marked as approved (the text "Reserved…" is removed).
2.0N	Ove Nesvik	20250825	• Addition of new Reason codes: **ZA6** Unsatisfied Elastic Demand **ZA6** Unsatisfied Elastic Demand **ZA7** Correction, deviation between CM and EAM **ZA8** Correction due to missing heartbeat • Reserved new Reason code: **ZA9** Planned ramping adjustment • Addition of new Process type codes: **Z16** mFRR-D
2.0M	Ove Nesvik	20250605	• Reserved new Reason codes for Statnett: **ZA6** Unsatisfied Elastic Demand
2.0L	Ove Nesvik	20250508	• Business type codes **ZA3** and **ZA4** are approved by NMEG • Reason type codes **ZA5** is approved by NMEG • Business type codes **Z76** is deprecated
2.0K	Ove Nesvik	20250401	• Reserved new Reason codes for Statnett: **ZA5** Addditional/detailed ResourceId
2.0J	Ove Nesvik	20250331	• Addition of description for Reason codes **Z98**, **Z99**, **ZA1**, **ZA2**, **ZA3** and **ZA4.** • Addition of description for Reason codes Business type code **ZA6**.
2.0I	Ove Nesvik	20250227	• Reserved new Reason codes for Statnett: **Z98** Static reserve **Z99** Dynamic reserve **ZA1** Reference Incident **ZA2** Normal Imbalances **ZA3** Non-standard products **ZA4** Other • Reserved new Business type code for Statnett: **ZA6** Satisfied capacity procurement demand
2.0H	Ove Nesvik	20250204	• Addition of new Business Type code, requested by

			Statnett: **ZA5** Expected imbalance
2.0G	Ove Nesvik	20241218	• Addition of new Reason code for "Energinet/Svenska kraftnät": **Z97** Mitigate polarity reversals • Reserved new Business Type codes for Svenska kraftnät/Nordic RCC: **ZA3** Capacity reservation Reference Incident **ZA4** Capacity reservation Normal Imbalance
2.0F	Ove Nesvik	20240912	• Renamed Contract Type code "**Z07** Intraday Auction Combined" to "**Z07** Intraday Auction Aggregated" • Added new Business Type codes: **ZA1** HVDC Power distribution **ZA2** Imbalance losses • Added new Document Type codes: **Z45** HVDC Load profile • Added new Reason codes: **Z94** Transit DC Loop SE4-SE3 Sydvästlänken **Z95** Time gate **Z96** Rejected by operator
2.0E	Ove Nesvik	20240809	• Reserved new Business Type code for "Nordic settlement group": **ZA2** Imbalance losses
2.0D	Ove Nesvik	20240718	• Reserved new Contract Type code for eSett: **Z07** Intraday Auction Combined
2.0C	Ove Nesvik	20240628	• Reserved new Business Type code for SvK and Fingrid: **ZA1** HVDC Power distribution • Reserved new Document Type code for SvK and Fingrid **Z45** HVDC Load profile • Reserved new Reason Type codes for SvK: **Z94** Transit Sydvästlänken – SE4-SE3 **Z95** Time gate
2.0B	Ove Nesvik	20240612	• Addition of new Reason code **Z93** mFRR-D correction • Addition of a description for Reason code **Z90** • Removed Contract type, including the codes **Z01** and **Z02** • Updated definitions of Market Product Type **Z02** and **Z03**
2.0A	Ove Nesvik	20240515	• Deprecated three Business Types: **Z97** **Z98** **Z99Z37** Faster than standard FAT **Z38** Faster than standard deactivation time **Z39** Slower than standard FAT
1.10A	Ove Nesvik	20240410	• Addition of new Reason codes **Z89** Base load **Z90** Fallback **Z91** Requesting assistance

			Z92 Providing assistance • Addition of new Business Type Code: **ZA0** Missing response • Addition of new Status Type Code: **Z04** Not available for activation if linked bid activated • Addition of new Document Type Codes: **Z43** A document containing activation of disturbance reserves. **Z44** A document containing activation of non-standard reserves.
1.9I	Ove Nesvik	20240315	• Reserved a set of Reason codes for Statnett: **Z90** Fallback **Z91** Requesting assistance **Z92** Providing assistance
1.9H	Ove Nesvik	20240315	• Reserved Reason code "**Z89,** Base load" for Svenska kraftnät (NBM) • Deprecated Reason code **Z77** and **Z78** – use **Z54** and **Z55** instead.
1.9G	Ove Nesvik	20240301	• Updated name and description of Market Product Type **Z02** and **Z03** • Addition of Market Product Type "**Z04** FCR-N product"
1.9F	Ove Nesvik	20240301	• Update of description of the Reason codes **Z28** and **Z52** • Addition of two new Reason codes: **Z87** Transit Fennoskan: FS Loop **Z88** Transit DC loop Poland: PL Loop
1.9E	Ove Nesvik	20240209	• Update of name and description of the Reason codes **Z84** and **Z85** • Deprecated Settlement method code "**Z01** Flex settled"
1.9D	Ove Nesvik	20240126	• Addition of new Reason codes: **Z84** Activation of own resources as BRP/RE **Z85** Activation of contracted resources as contractual BSP (no compensation) **Z86** Independent aggregation
1.9C	Ove Nesvik	20240111	• Update of definition of the Market Product Types **Z02** and **Z03**.
1.9B	Ove Nesvik	20231206	• Update of definition of Reason code **Z74**
1.9A	Ove Nesvik	20231106	• Update of definition of Nordic Market Product types: **Z02** Dynamic FCR-D product. **Z03** Static FCR-D product. • Updated definition of Business Type code:

			Z76 Day ahead prices used for CZC forecast calculation. • Addition of Reason code: **Z83** Unspecified non-standard bids
1.8A	Ove Nesvik	20231023	• Addition of Reason codes for the 1st repetition of the Reason class in the Ediel ERRP Reserve Allocation Result Document: **Z77** aFRR AOF activation **Z78** aFRR non-AOF activation **Z79** AOF cannot satisfy the demand with available bids **Z80** Rejected by BSP **Z81** BSP is unavailable **Z82** Scheduled activation bids already chosen for direct activation
1.7B	Ove Nesvik	20230705	• Addition of new Market Product types: **Z02** Dynamic FCR-D product **Z03** Static FCR-D product
1.7A	Ove Nesvik	20230626	• Addition of new code list "Contract types", with the following Nordic codes: **Z01** First auction **Z02** Second auction
1.6J	Ove Nesvik	20230301	• Addition of Reason codes **Z73** System Operator **Z74** Disturbance reserve **Z75** aFRR correction **Z76** mFRR correction • Rename of Reason codes **Z60**, **Z61** and **Z62** from slow/fast to Slower/Faster • Renamed FRR-A to aFRR and FRR-M to mFRR
1.6I	Ove Nesvik	20230124	• Addition of Reason codes "**Z71** Midnight" and "**Z72** Outage" • Replaced Resource Object with Resource in the codes **Z13, Z31** and **Z32** in the Document type code list.
1.6H	Ove Nesvik	20221031	• Addition of Reason codes for NBM: **Z66** Adjusted (The information in question is adjusted or a result of an adjustment). **Z67** Override (The information in question is overridden or a result of an override of data). **Z68** Emergency (There is a need for emergency assistance using agreed product). **Z69** Shadow Auction (The flow is related to shadow auction trade). **Z70** Cancel (Cancellation of one or more observation(s) or operation(s)). • Rename of Reason codes:

			Z50 ~~Supportive power s~~ Special (The object relates to Supportive power special) **Z51** ~~Supportive power d~~ Disturbance (The object relates to Supportive power disturbance) • Renamed Type of Area code **Z01** from "Market Balance Area" to "Bidding Zone". • Rename of Document type code **Z11** from "Market Balance Area (MBA) Master Data document" to "Bidding Zone (BZ) Master Data document"
1.6G	Ove Nesvik	20220607	• Updated definitions of Document Type codes **Z41** and **Z42**.
1.6F	Ove Nesvik	20220313	• Deprecated Asset types: **Z03**, **Z04**, **Z05** and **Z08.** • Addition of Status Type code **Z01**, **Z02** and **Z03**.
1.6E	Ove Nesvik	20220112	• The Document Types "Faster than standard FAT" (**Z37**), "Faster than standard deactivation time" (**Z38**) and "Slower than standard FAT" (**Z39**) are deprecated. • The Business Types "Faster than standard FAT" (**Z97**), "Faster than standard deactivation time" (**Z98**) and "Slower than standard FAT" (**Z99**) are added.
1.6D	Ove Nesvik	20211110	• Addition of new Document type codes: **Z41** Production smoothing (applicable only in Norway) • Addition of new Market Product Type: **Z01** Standalone period shift product
1.6C	Ove Nesvik	20211012	• Addition of definitions for ○ Role code **Z06** ○ Process type code **Z08**, **Z09**, **Z10** og **Z11**
1.6B	Ove Nesvik	20210826	• Addition of Quality Type code **Z01** Calculated • Addition of a comment to Document type **Z37**, **Z38** and **Z39**: **"**Proposed by NMEG to be moved to the Business type code list"
1.6A	Ove Nesvik	20210623	• Addition of Document Type **Z37** to **Z40** • Addition of Reason codes **Z58** to **Z65**
1.5.Q	Ove Nesvik	20210325	• Addition of Reason code "**Z57** Auction Run ID" • Business Type code **Z69** Metered frequency is deprecated – use **C57** Metered frequency instead
1.5.P	Ove Nesvik	20210209	• "Deprecated" is removed from Business Type **Z49** and **Z51**
1.5.O	Ove Nesvik	20210121	• Addition of new Process Type **Z15** External trade.
1.5.N	Ove Nesvik	20210114	• The "Deprecated" mark on the Document Type **Z15** is removed.
1.5.M	Ove Nesvik	20201215	• Addition of new Reason Code **Z56** FFR.

1.5.L	Ove Nesvik	20201015	• «deprecated» codes that have got a new official ENTSO-E code: ○ Role type: **Z05** Trader **-> A47** Energy Trader ○ Business Types: **Z02** Frequency bias -> **C25** Frequency bias **Z03** Frequency Containment Reserves, Normal (FCR-N) -> **C26** Frequency Containment Reserves, Normal (FCR-N) **Z06** Frequency Containment Reserves, Disturbance (FCR-D) -> **C27** Frequency Containment Reserves, Disturbance (FCR-D) **Z52** Small scale production -> **C29** Small scale production **Z32** System price -> **C30** System price ○ Process type: **Z05** Bilateral trade **-> A59** Internal trade reporting **Z04** Reserve option market -> **A58** Reserve option market
1.5.K	Ove Nesvik	20200921	• The following Asset Type Codes are no longer «deprecated»: **Z04** Thermal **Z05** Wind • The following code Asset Type Code is added: **Z08** wave
1.5.J	Ove Nesvik	20200818	• New Business Type: **Z95** Non-conform load schedule **Z96** Conform load schedule • Updated the definition of Reason code **Z35** • New Reason codes: **Z53** **m**FRR, System Regulation **Z54** Activation by AOF (Activation Optimisation Function) **Z55** Manual activation not based on AOF
1.5.I	Ove Nesvik	20200723	• New Business Type: **Z94** Frequency Containment Reserve-Disturbance (FCR-D), one-step activation
1.5.H	Ove Nesvik	20200706	• Deprecation of codes approved by ENTSO-E. • Reneme of Process Type **Z13** from “ACE OL Report” to “Corrected real time values”.
1.5.G	Ove Nesvik	20200604	• Addition of Reason Codes: **Z50** Supportive power special **Z51** Supportive power disturbance

			Z52 Transit SB Loop Short
1.5.F	Ove Nesvik	20200527	• Addition of Business Types: **Z90** Power Plan Trade **Z91** Loop transit **Z92** Agreed supportive power (ASP) **Z93** Production adjustments
1.5.E	Ove Nesvik	20200416	• Addition of Business Types: **Z88** Total planned flow **Z89** Expected countertrade • Addition of Object aggregation code: **Z02** Mutually Regulated Areas (MRA)
1.5.D	Ove Nesvik	20200309	• Addition of Business Types: **Z77** ACE OL **Z84** Inertia **Z85** FFR process **Z86** Frequency nadir **Z87** Reference incident • Addition of Document Types: **Z35** ACE OL **Z36** Power Prognoses • Addition of Process Type: **Z14** Fast Frequency Reserve (FFR) Process • Addition of Reason Codes **Z42** to **Z49** • Deprecated a set of codes where new codes have been issued by ENTSO-E CIM EG.
1.5.C	Ove Nesvik	20191016	• Addition of Settlement method code: **Z01** Flex settled • Deprecated a set of codes where new codes have been issued by ENTSO-E CIM EG. • Addition of Document Type: **Z34** Market Operator Configuration Document
1.5.B	Ove Nesvik	20190111	• Deprecated codes that no longer are used • Addition of definition for Document Type Z16 • Addition of Document Types Z24 to Z33 • Addition of Process Types Z08 to Z11 • Addition of Reason Codes Z40 to Z41 • Addition of Role Code Z06
1.5.A	Ove Nesvik	20180425	• Addition of Trade Structure Document Types: **Z24** Request Bilateral Trade Structure Document **Z25** Request PX Trade Structure Document

			Z26 Bilateral trade structure master data document containing **master data changed** within the Validity Time Interval **Z27** Bilateral trade structure master data document containing **all valid master data** within the Validity Time Interval **Z28** PX trade structure master data document containing **master data changed** within the Validity Time Interval **Z29** PX trade structure master data document containing **all valid master data** within the Validity Time Interval
1.4.B	Ove Nesvik	20170419	• Rename of Document Type codes: **Z12** Request change of retailer consumption master data **Z13** Request change of Resource Object master data **Z18** Party Relation Master Data Document containing master data changed within the Validity Time Interval **Z19** Party Relation Master Data Document containing all valid master data within the Validity Time Interval • Rename of Document Type codes to: **Z20** Retailer consumption master data document containing master data changed within the Validity Time Interval **Z21** Retailer consumption master data document containing all valid master data within the Validity Time Interval **Z22** Resource Object master data document containing master data changed within the Validity Time Interval **Z23** Resource Object master data document containing all valid master data within the Validity Time Interval
1.4.A	Ove Nesvik	20170419	• Addition of Price category type codes: **Z01** Buying **Z02** Selling **Z03** Average • Added Document Type Codes **Z20**, **Z21**, **Z22** and **Z23** • Rephrased Document Type Codes **Z12** and **Z13** • Updated logos on the front page Removed NPS
1.3.H	Ove Nesvik	20170213	• Textual corrections: ○ Updated logos on the front page • Updated NTC and NEG member list

1.3.G	Ove Nesvik	20161121	• Added Document Types: **Z18** Party Relation Master Data Document where Validity Start and/or Validity End are within the Validity Period" **Z19** Party Relation Master Data Document where relations are valid sometime within the Validity Period"
1.3.F	Ove Nesvik	20160629	• Addition of Document type **Z17** Spot Market Bid Status Report
1.3.E	Ove Nesvik	20160525	• Addition of **Z99** Sub-Grid Area
1.3.D	Ove Nesvik	20150904	• MGA type "**Z02** Only losses" is deprecated
1.3.C	Ove Nesvik	20150623	• Addition of Business type **Z68** Production Unit own consumption
1.3.B	Ove Nesvik	20150519	• Rename of Production Unit Type code to Production Type code
1.3.A	Ove Nesvik	20150503	• Addition of Production unit type code and the codes **Z01** Normal **Z02** Minor
1.2.A	Ove Nesvik	20150421	• Addition of MGA Type: **Z07** Transmission (main/central) grid
Draft 1.2.A	Ove Nesvik	20150130	• Addition of Asset Type: **Z07** Consumption" • Addition of Object aggregation: **Z01** Generator group
Draft 1.2.A	Ove Nesvik	20141001	Addition of Reason codes **Z29-Z39**
Draft 1.2.A	Ove Nesvik	20140717	• Deprecation of Business Type Codes: **Z53 (B14)** Production deviation **Z54 (B15)** Consumption deviation **Z55 (B20)** Balance up regulation price **Z56 (B21)** Balance down regulation price **Z57 (B22)** Main direction **Z58 (B23)** Consumption imbalance price **Z59 (B24)** Production sales imbalance price **Z60 (B25)** Production purchase imbalance price **Z61 (B26)** Average balance price between MBAs **Z62 (B27)** Pumped **Z63 (B28)** Large installation consumption **Z65 (B29)** MGA imbalance
1.1.A	Ove Nesvik	20140422	• Addition of Business Type codes: **Z55** Balance up regulation price **Z56** Balance down regulation price **Z57** Main direction

			Z58 Consumption imbalance price **Z59** Production sales imbalance price **Z60** Production purchase imbalance price **Z61** Middle balance price between MBAs **Z62** Pumped **Z63** Large installation consumption **Z64** Internal trade difference **Z65** MGA imbalance • Addition of Document Type codes: **Z10** Connected Metering Grid Area (MGA) document **Z11** Market Balance Area (MBA) structure document • Addition of new code list, Type of Area code: **Z01** Market Balance Area (MBA) **Z02** Metering Grid Area (MGA)
1.0.B	Ove Nesvik	20140207	• Addition of Bid Type Code: **Z04** Profile block bid • Addition of Business Type Codes: **Z53** Production deviation **Z54** Consumption deviation
1.0.A	Ove Nesvik	20131212	First approved version

2 Nordic extensions to ENTSO-E code lists

2.1 Asset type code

Code	Name	Description
Z01		**Deprecated** (use **A08** Busbar instead)
Z02		**Deprecated** (not used anymore)
Z03	Transformer station	**Deprecated** (Use **B23** instead)
Z04	Thermal	**Deprecated** (Use **B37** instead)
Z05	Wind	**Deprecated** (Use **B30** instead)
Z06		**Deprecated** (Use "**B10** Hydro Pumped Storage", "**B11** Hydro Run-of-river and pondage" or "**B12** Hydro Water Reservoir" instead)
Z07		**Deprecated** (Use "**A05** Load" instead)
Z08	Wave	**Deprecated** (Use **B34** instead)

2.2 Business type code

Code	Name	Description
N03	In-feed ATC	Available transfer capacity at the in-feed side of a tie-line or cable (i.e. into the cable, out from sending area) (E.g. used in the NorNed project)
N04	Out-feed ATC	Available transfer capacity at the out-feed side of a tieline or cable, i.e. after subtraction of grid loss. (i.e. out of the cable, into receiving area) (E.g. used in the NorNed project)
Z01		**Deprecated (**Use ***A77****, Production, dispatchable* instead)
Z02		**Deprecated** (Use ***C25****, Frequency bias* instead)
Z03		**Deprecated** (Use ***C26****, Frequency Containment Reserve-Normal (FCR-N)* instead)
Z04		**Deprecated** (Use ***A78****, Consumption, dispatchable* instead)
Z05	Net internal trade counterpart	Net internal trade as reported from the counterpart, used during matching procedure.
Z06		**Deprecated** (Use ***C27****, Frequency Containment Reserve-Disturbance (FCR-D)* instead)
Z07		**Deprecated** (Use ***A70,*** *Production, unavailable* instead)
Z08	Trade, unconfirmed	The trade plan of an actor when not matched against a counterpart, used during matching procedure.
Z09		**Deprecated** (Use ***A89,*** *Spinning reserve* (The extra generating capacity that is available by increasing the production of generators that are already connected to the power system))
Z10		**Deprecated** (Use ***A10****, tertiary reserves)*
Z11		**Deprecated** (Use ***A12,****Secondary control (A time series concerning secondary reserve))*
Z12	Total primary reserve	Sum of all primary reserves

Z13	Balance regulation activations	Activations of tertiary reserves in the Balance regulation market
Z14	System operator adjustment	Proposed adjustment by the *System operator*, used during matching procedure.
Z15	Result of an automatic System operator adjustment	Forced adjustment by the *System operator*, used during matching procedure.
Z16	Market schedules difference	Difference between own and counterparty market schedules, used during matching procedure.
Z17	Technical minimum	Technical minimum possible, under minimum, Resource Object having the possibility of using overload areas.
Z18	Technical maximum	Technical maximum possible, maximum incl. overload, Resource Object having the possibility of using overload areas.
Z19	Total maximum production	Schedule for maximum total production.
Z20	Total minimum production	Schedule for minimum total production.
Z21	Total Transfer Capacity (TTC)	The *Total Transfer Capacity* is the maximum exchange program between two areas compatible with operational security standards applicable at each system if future network conditions, generation and load patterns were perfectly known in advance.
Z22	Maximum production capacity	Maximum total value of planned production.
Z23	Minimum production capacity	Minimum total value of planned production
Z24	Peak load resource	Peak load resource refers to power plants which produce electricity using condensing power capacity covered by the power load reserve arrangement and may also refer to dis-connectable consumption.
Z25		**Deprecated** Use ***A66****, Energy flow*, together with an object aggregation element
Z26		**Deprecated** Use ***A23****, Balance management*
Z27	Operational capacity (OC)	*Operational capacity* is exchanged between *System operators*. The OC is the available transfer capacity as established during the operational day, i.e. the capacity available after closure of the intra-day market. The OC is used for system operation and not for market purposes. The OC may be both higher and lower than the ATC. The OC may be negative. ***This is a permanent Nordic code.***
Z28	Balance regulation power	Offered tertiary reserves to the Balance regulation market

Z29	Reserves option power	Offered tertiary reserves to the Reserves option market
Z30		**Deprecated** i.e. not used
Z31		**Deprecated** (Use ***A79****, Production, non-dispatchable* instead)
Z32		**Deprecated** (Use ***C30*** *System price* instead)
Z33		**Deprecated** (this information should be found as *Process type* at the header level)
Z34		**Deprecated** (this information should be found as *Process type* at the header level)
Z35	Commercial bid	The time series provides commercial bids.
Z36	Reserve bid	The time series provides reserve bids.
Z37	Primary reserves activations	Activations of primary reserves
Z38	Hydro production	The business being described concerns production based on hydro power
Z39	Nuclear production	The business being described concerns production based on nuclear power
Z40	Thermal production	The business being described concerns production based on thermal power
Z41	Wind production	The business being described concerns production based on wind power
Z42	Decentralised production	The business being described concerns production based on decentralised power
Z43	Gas turbine and diesel production	The business being described concerns production based on gas turbine and diesel power
Z44	Other thermal production	The business being described concerns production based on other thermal power
Z45	Disturbance on the Link	Nordic code (currently used by SwePol)
Z46	System Operator redispatching, in case of ASP special	Nordic code (currently used by SwePol)
Z47	Loop Flow	Nordic code (currently used by SwePol)
Z48	Number of return cables	Nordic code (currently used by SwePol)

Z49	Commercial production	The time series provides commercial bids based on production
Z50	Commercial wind production	The time series provides commercial bids based on wind production
Z51	Commercial consumption	The time series provides commercial bids based on consumption
Z52		**Deprecated** (Use ***C29*** *Small scale production*)
Z53		**Deprecated** (Use **B14** instead)
Z54		**Deprecated** (Use **B15** instead)
Z55		**Deprecated** (Use **B20** instead)
Z56		**Deprecated** (Use **B21** instead)
Z57		**Deprecated** (Use B22 instead)
Z58		**Deprecated** (Use B23 instead)
Z59		**Deprecated** (Use B24 instead)
Z60		**Deprecated** (Use B25 instead)
Z61		**Deprecated** (Use B26 instead)
Z62		**Deprecated** (Use B27 instead)
Z63		**Deprecated** (Use B28 instead)
Z64	Internal trade difference	A time series concerning internal trade difference**, w**ithin a Market balance area, i.e. the difference between trades reported from an out party (seller) and an in party (buyer).

		The internal trade difference is the delta value between what is reported by the two Balance responsible Parties.
Z65		**Deprecated** (Use B29 instead)
Z66	Last resort	A time series concerning consumption handled by supplier of last resort
Z67	TRM	Transmission Reliability Margin
Z68	Production Units own consumption	The consumption of one or more Production Units
Z69		**Deprecated** (use "**C57** Metered frequency" instead)
Z70		**Deprecated** (use "**C17** Market price and total volume" instead)
Z71		**Deprecated** (use "**C18** Import price" instead)
Z72		**Deprecated** (use "**C19** Capacity allocated (excluding price)" instead)
Z73	Fast active disturbance reserve	The **fast active disturbance reserve** is the manual reserve (mFRR) available within 15 minutes in the event of the loss of an individual principal component (production unit, line, transformer, bus bar etc.). Restores the *frequency controlled disturbance reserve*.
Z74	Imbalance sales price	A time series concerning imbalance prices for sales
Z75	Imbalance purchase price	A time series concerning imbalance prices for purchase
Z76		**Deprecated** (Not used)
Z77	ACE OL (Area Control Error Open Loop)	The Area Control Error Open Loop (ACE OL) is the real-time imbalance of an area in the power system without automatic Frequency Restoration Reserve (aFRR) and manual Frequency Restoration Reserves (mFRR). ACE OL is the imbalance before any operator balancing actions.
Z78	Upper Alert	A time series concerning the upper limit before an alarm is raised
Z79	Upper Emergency	A time series concerning the upper limit before an emergency is raised
Z80	Lower Alert	A time series concerning the lower limit before an alarm is raised

Z81	Lower Emergency	A time series concerning the lower limit before an emergency is raised
Z82	Upper Warning	A time series concerning the upper limit before a warning is raised
Z83	Lower Warning	A time series concerning the lower limit before a warning is raised
Z84	Inertia	A time series concerning the ability of the kinetic energy stored in the rotating masses in the electricity system to resist changes in frequency.
Z85	Fast Frequency Reserve (FFR)	A time series concerning the Fast Frequency Reserve (FFR), a power response activated within about one second when the system frequency drops below a certain level.
Z86	Frequency nadir	A time series concerning the expected lowest value of the frequency, after a disturbance.
Z87	Reference incident	A time series concerning the expected maximum incident size in MW.
Z88	Total planned flow	A time series concerning total planned flow of power between areas.
Z89	Expected countertrade	The planned supportive power corrections.
Z90	Power Plan Trade	Sum of planned flow considering the Day ahead and Intraday market.
Z91	Loop transit	Flow resulting from agreed loop flows and transit agreement.
Z92	Agreed supportive power (ASP)	Flow from agreed supportive power.
Z93	Production adjustments	Period shift products activated in the balancing time frame where the activation and need are in different areas.
Z94	Frequency Containment Reserve-Disturbance (FCR-D), one-step activation	FCR-D one step activation, is a reserve that is automatically activated when the frequency falls below 49.90 Hz after an imbalance, activated in one step, as opposed to a linear activation.
Z95	Non-conform load schedule	Non-Conform Load Schedule: Loads that do not follow a daily and seasonal load variation pattern.
Z96	Conform load schedule	Conform Load Schedule: A curve of load versus time (X-axis) showing the active power values (Y1-axis) and reactive power (Y2-axis) for each unit of the period covered. This curve represents a typical pattern of load over the time period for a given day type and season.

Z97		**Deprecated** (Use ENTSO-E code "**C83** Faster than standard FAT" instead).
Z98		**Deprecated** (Use ENTSO-E code "**C84** Faster than standard deactivation time" instead).
Z99		**Deprecated** (Use ENTSO-E code "**C85** Slower than standard FAT" instead).
ZA0	Missing response	A response is missing, such as related activations, heartbeat tests.
ZA1	HVDC Power distribution	A profile for planned load distribution between two or more HVDC cables.
ZA2	Imbalance losses	Imbalance losses are the difference between procured losses from Market Coupling and actual losses.
ZA3	Capacity reservation Reference Incident	Extraordinary mFRR allocation concerning Reference Incident.
ZA4	Capacity reservation Normal Imbalance	Extraordinary mFRR allocation concerning Normal Imbalance.
ZA5	Expected imbalance	A time series to provide the expected (the prognosis of) energy imbalances for a given period.
ZA6	Satisfied capacity procurement demand	How much of the demand for capacity that has been satisfied by the market.
ZA7	Droop	A generators frequency sensitivity in percentage.

2.3 Contract type code

Code	Name	Description
Z07	Intraday Auction Aggregated	Nets together all different Intraday Auctions into a single value
Z08	Day ahead auction NSL	The contract type being described is used for day ahead auction (DA) for the North Sea Link (NSL)

2.4 Document type code

Code	Name	Description
Z01		Deprecated (Use ***A14,*** *Resource Provider Resource Schedule (Operational schedule))*
Z02		Deprecated (Use ***A04,*** *System Operator area schedule* instead)
Z03	Auction Specification Document	The document provides auction specification information.
Z04	Operational schedule, binding	The document provides binding operational (resource) schedules from the System operator, after market cut-off time.
Z05		**Deprecated** (use "**B35** Area Configuration document" instead)
Z06	Market connection points document	A document specifying connection point and related area where the connection point belongs.
Z07	Rate of exchange document	A document used to distribute Rate of exchange
Z08	Intermediate Confirmation of Aggregate metered data from the Metered Data Aggregator	Intermediate Confirmation of Aggregated Data per Neighbouring Grid from Imbalance Settlement Responsible to Metered Data Aggregator
Z09	Final Confirmation of Aggregate metered data from the Metered Data Aggregator	Final Confirmation of Aggregated Data per Neighbouring Grid from Imbalance Settlement Responsible to Metered Data Aggregator
Z10	Connected Metering Grid Area (MGA) document	**Deprecated** (use "**B37** Connected Area Document" instead)
Z11	Bidding Zone (BZ) Master Data document	**Deprecated** (use "**B36** Area Composition document" instead)
Z12	Request change of retailer consumption master data	A document requesting changes to retailer consumption master data, sent from an Entitled Role to the Imbalance Settlement Responsible
Z13	Request change of Resource master data	Resource master data document where Validity Start and/or Validity End date are changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive). A document containing master data for a Resource
Z14		**Deprecated**
Z15	DATCR activation, move (change) of planned production	A document indication a move or change of planned production in a Directly Activated Tertiary Control Reserve (DATCR) process.

Code	Name	Description
Z16	Generator Group Relations document	A document containing master data for Generator Group and Generator Relations
Z17	Spot Market Bid Status Report	A document containing a Bid Status from the Spot Market
Z18	Party Relation Master Data Document containing master data changed within the Validity Time Interval	Party Relation Master Data Document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z19	Party Relation Master Data Document containing all valid master data within the Validity Time Interval	Party Relation Master Data Document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z20	Retailer consumption master data document containing master data changed within the Validity Time Interval	Retailer consumption master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z21	Retailer consumption master data document containing all valid master data within the Validity Time Interval	Retailer consumption master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z22	Resource Object master data document containing master data changed within the Validity Time Interval	Resource Object master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z23	Resource Object master data document containing all valid master data within the Validity Time Interval	Resource Object master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z24	Request Bilateral Trade Structure Document	A document requesting a new, changed or deleted Bilateral Trade Structure
Z25	Request PX Trade Structure Document	A document requesting a new, changed or deleted PX (Power Exchange) Trade Structure
Z26	Bilateral trade structure master data document containing master data changed within the Validity Time Interval	Bilateral trade structure master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z27	Bilateral trade structure master data document containing all valid master data within the Validity Time Interval	Bilateral trade structure master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)

Code	Name	Description
Z28	PX trade structure master data document containing master data changed within the Validity Time Interval	PX (Power Exchange) trade structure master data document containing master data changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z29	PX trade structure master data document containing all valid master data within the Validity Time Interval	PX (Power Exchange) trade structure master data document containing all valid master data within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
Z30	Request change of Generator Group (Regulation Object) relations	Used for master data for Resource Objects
Z31	Production Plan Structure – valid for the whole time interval	Used for master data for Resources
Z32	Production Plan Structure – having a start or end within the validity period	Used for master data for Resources
Z33		**Deprecated** (use B34 instead)
Z34	Market Operator Configuration Document	A document used for sending Market operator calendars.
Z35	ACE OL	A document to provide Area Control Error Open Loop (ACE OL) values
Z36	Power Prognoses	A document to provide power prognoses
Z37	Faster than standard FAT	Bids that can support a “Full Activation Time” (FAT) that is faster than 12,5 minutes. Fast activation can be done for bids with activation time (CIM:activation_ConstraintDuration.duration) shorter than the minimum requirement for the standard product. When circumstances call for it, the TSO can order activation of such bids on a shorter notice.
Z38	Faster than standard deactivation time	Fast deactivation can be done for bids with activation time (CIM:activation_ConstraintDuration.duration) shorter than the minimum requirement for the standard product. When circumstances call for it, the TSO can order activation of such bids on a shorter notice.
Z39	Slower than standard FAT	Bids that can support a Full Activation Time (FAT) that is slower than 12,5 minutes.
Z40	Period shift activation	Bids are activated for a shorter period than the whole Market Time Unit around period shift in order to resolve structural imbalances.

Code	Name	Description
Z41	Production smoothing (applicable only in Norway)	A document to provide planned quarterly adjustments the day before operation.
Z42	Need for period-shift	A document used to request need for period-shift adjustments.
Z43	Disturbance reserve	A document containing activation of disturbance reserves.
Z44	Other non-standard reserve	A document containing activation of non-standard reserves.
Z45	HVDC Load profile	A document for sending the profile for planned load distribution between two or more HVDC cables.

2.5 Market Product Type

Code	Name	Description
Z01	Standalone period shift product.	To be used only when period shift is not combined with standard mFRR product (A05 or A07). Applicable only to bids in Norway. Associated multipart and exclusive bids must have the same value.
Z02	Dynamic product	The market product type is dynamic. A more specific definition depends on the market in question, e.g.: Dynamic product: For entities that can provide continuous response and comply with the dynamic requirements
Z03	Static product	The market product type is static. A more specific definition depends on the market in question, e.g.: Static product: For entities that have difficulties to comply with the dynamic requirements, e.g. activation/deactivation performance and dynamic stability.
Z04	FCR-N product	The market product type is Frequency Containment Reserves, Normal.

2.6 Object aggregation code

Code	Name	Description
Z01	Generator group	The object being described concerns a group of Reserve objects or Resource objects
Z02	Mutually Regulated Areas (MRA)	The object being described concerns Mutually Regulated Areas (MRA)

2.7 Price category type code

Code	Name	Description
Z01	Buying	The price for buying commodities in the market.
Z02	Selling	The price for selling commodities in the market.
Z03	Average	Average, i.e. the average price in the market.

2.8 Process type code

Code	Name	Description
Z01	Frequency controlled reserves market	Processes related to the Frequency controlled reserves market, Primary reserves market
Z02	LFC market	Processes related to the Load Frequency Control market, Secondary reserves market
Z03	Balance regulation market	Processes related to the Balance regulation market, Tertiary reserves market
Z04		**Deprecated** (Use ***A58*** *Reserve option market)*
Z05		**Deprecated** (Use ***A59*** *Internal trade reporting* instead*)*
Z06	Total trade	The trade balance of a party at a given time
Z07	Master data	**Deprecated** (use "A55 Exchange of master data" instead)
Z08	Common Grid Model (CGM) process	Process related to exchange of the common grid model
Z09	Coordinated Security Assessment (CSA) process	Process related to exchange of the coordinated power system security assessment
Z10	Outage Planning Coordination process	Process related to exchange of plans for outage coordination
Z11	Short and Medium Term Adequacy Assessment (SMTA)	Process related to exchange of the short- and medium-term adequacy assessment
Z12	ACE OL real-time	The process of exchanging real-time ACE OL values
Z13	Corrected real time values	Reporting of real time values after validation and correction.
Z14	Fast Frequency Reserve (FFR) Process	The process of exchanging information regarding the Fast Frequency Reserve (FFR).
Z15	External trade	Trade outside the Capacity Calculation Region
Z16	mFRR-D	Manual Frequency Restoration Reserve disturbance
Z17	Intraday auction NSL process	The process being described is used for intraday auction (IDA) for the North Sea Link (NSL)

2.9 Reason code

Code	Name	Description
999	Errors not specifically identified	This code is used to identify errors that have not been specifically addressed in the Reason code list. It can be used at any level and refers to the level for which it has been identified.
Z01	Operational	The given unit has a status of operational
Z02	Reduced Operational	The given unit has a status of reduced operational
Z03	Non-operational	The given unit has a status of non-operational
Z04	Revision	The given unit is under revision
Z05	Suspended	The given unit is suspended
Z06	Crashed	The given unit is crashed
Z07	Discarded	The given unit is discarded
Z11		**Deprecated**
Z12		**Deprecated**
Z13		**Deprecated**
Z15		**Deprecated**
Z16		**Deprecated**
Z17		**Deprecated**
Z18		**Deprecated** (use "**B17** Price based on preliminary exchange rate" instead)
Z19		**Deprecated**
Z20	Frequency regulation	The information provided regards a regulation for frequency purpose
Z21	System regulation	The information provided regards a regulation for system purpose
Z22	Supportive power	The object relates to Supportive power
Z23	Special Regulation	The object relates to Special Regulation
Z24	Quarterly adjustments	The object relates to Quarterly adjustments
Z25	Ordinary regulation	The object relates to Ordinary regulation

Code	Name	Description
Z26	Transit triangle	The object relates to Transit triangle
Z27	Transit redispatch	The object relates to Transit redispatch
Z28	Transit SB Loop Long	The object relates to Transit Storebælt Loop Long
Z29	FCR	Frequency Containment Reserve (FCR) is an automatic and momentarily regulation, to adjust the physical balance in the power system.
Z30	aFRR	Frequency Restoration Reserve - Automatic (aFRR) is an automatic reserve, activated continuously by the frequency
Z31	mFRR, Balancing Power	Frequency Restoration Reserve - Manual activated reserves (mFRR), Balancing Power
Z32	mFRR, Countertrades	Frequency Restoration Reserve - Manual activated reserves (mFRR), Countertrades when TSO need to maintain (replace) transfer capacity
Z33	mFRR, Peak Load Reserve Regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), Peak Load Reserve Regulation when no commercial bids are available for balancing.
Z34	mFRR, Quarter regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), Quarter regulation when TSO need transfer of production (usually start 15 min earlier).
Z35	mFRR, Special Regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), Special Regulation where the price is payed as bid and not archive price.
Z36	Hour Change Regulation	In order to reduce problems encountered at the turn of the hour in the Nordic countries or in Finland, Fingrid reserves the right to transfer the planned changes to begin 15 minutes before or after the planned moment
Z37	Power Transaction	Fixed price transaction used for specific purposes outside of ordinary regulation
Z38	TSO Internal Countertrades	The time series concern TSO Internal Countertrades
Z39	Day Ahead Production Adjustment	Energy (production) moved from one hour to another to avoid major changes between hours
Z40	FCR-N	Frequency Containment Reserve, Normal operation (FCR-N)
Z41	FCR-D	Frequency Containment Reserve, Disturbance (FCR-D)
Z42	FCR – N, late	Frequency Containment Reserve, Normal operation, late

Code	Name	Description
Z43	FCR – N, early	Frequency Containment Reserve, Normal operation, early
Z44	FCR – N, late correction	Frequency Containment Reserve, Normal operation, late correction
Z45	FCR – N, early correction	Frequency Containment Reserve, Normal operation, early correction
Z46	FCR – D, late	Frequency Containment Reserve, Disturbance, late
Z47	FCR – D, early	Frequency Containment Reserve, Disturbance, early
Z48	FCR – D, late correction	Frequency Containment Reserve, Disturbance, late correction
Z49	FCR – D, early correction	Frequency Containment Reserve, Disturbance, early correction
Z50	Special	The object relates to Supportive power special
Z51	Disturbance	The object relates to Supportive power disturbance
Z52	Transit SB Loop Short	The object relates to Transit Storebælt Loop Short
Z53	mFRR, System Regulation	Frequency Restoration Reserve - Manual activated reserves (mFRR), System Regulation where regulation does not affect the regulation price.
Z54	Activation by AOF (Activation Optimisation Function)	AOF is a function to operate the algorithm applied for the optimisation of the activation of Balancing Energy bids within a Coordinated Balancing Area.
Z55	Manual activation not based on AOF	Manual (locally) activation without use of AOF. AOF is a function to operate the algorithm applied for the optimisation of the activation of Balancing Energy bids within a Coordinated Balancing Area.
Z56	Fast Frequency Reserves (FFR)	The Fast Frequency Reserve (FFR) is a power response activated within about one second when the system frequency drops below a certain level.
Z57	Auction Run ID	Unique identification of a given auction.
Z58	Scheduled activation	A time series concerning scheduled activation
Z59	Direct activation	A time series concerning direct activation
Z60	Faster activation	A time series concerning faster activation. Bids that can support a Full Activation Time (FAT) that is faster than 12,5 minutes
Z61	Faster deactivation	A time series concerning early deactivation

Code	Name	Description
Z62	Slower activation	A time series concerning slower activation. Bids that can support a Full Activation Time (FAT) that is slower than 12,5 minutes.
Z63	Period shift activation	A time series concerning period shift activation. Bids are activated for a shorter period than the whole Market Time Unit around period shift to resolve structural imbalances.
Z64	Period shift, beginning of period	Bids are activated for a shorter period than the whole Market Time Unit around period shift to resolve structural imbalances, for the beginning of the period.
Z65	Period shift, end of period	Bids are activated for a shorter period than the whole Market Time Unit around period shift to resolve structural imbalances, for the end of the period.
Z66	Adjusted	The information in question is adjusted or a result of an adjustment.
Z67	Override	The information in question is overridden or a result of an override of data.
Z68	Emergency	There is a need for emergency assistance using agreed product.
Z69	Shadow Auction	The flow is related to shadow auction trade.
Z70	Cancel	Cancellation of one or more observation(s) or operation(s).
Z71	Midnight	Capacity change at midnight,
Z72	Outage	Planned outage.
Z73	System Operator	Manually created by System Operator.
Z74	Disturbance reserve	A reserve to be used if disturbance occur. If the bids on the balancing power market are not sufficient to remedy the disturbance, the TSO can activate the disturbance reserve and brings the system into balance.
Z75	aFRR correction	Correction of Automatic Frequency Restoration Reserve (aFRR).
Z76	mFRR correction	Correction of Manual Frequency Restoration Reserve (mFRR).
Z77		**Deprecated** (Use ***Z54****, Activation by AOF* instead)
Z78		**Deprecated** (Use ***Z55****, Manual activation not based on AOF* instead)

Code	Name	Description
Z79	AOF cannot satisfy the demand with available bids	The Activation Optimisation Function (AOF) cannot satisfy the demand with available bids.
Z80	Rejected by BSP	Activations are rejected by the Balancing Service Provider (BSP).
Z81	BSP is unavailable	The Balancing Service Provider (BSP) is unavailable (timeout).
Z82	Scheduled activation bids already chosen for direct activation	Bids selected by scheduled activation is already chosen for direct activation.
Z83	Unspecified non-standard bids	Unspecified non-standard bids are used when BSPs submit bids that are not standard products (which are not going to the AOF (Activation optimisation function) or are “disturbance reserves”. It could be that they are too slow, that they do not have an e-order, that they have unsupported limitations such as minimum activation time, etc. I.e. this is the bids that are left after normal verification.
Z84	Activation of own resources	The activation relates to the responsible party’s own resource(s), such as the BSPs own BRP. No compensation applies.
Z85	Activation of contracted resources (no compensation)	The activation relates to a contractual activation, e.g. based on a bilateral contract between a BSP and a BRP. No compensation applies.
Z86	Independent aggregation	The activation relates to an independent aggregator, i.e. is split between two or more BRPs, Energy Suppliers and or Traders. Compensation applies.
Z87	Transit Fennoskan - FS Loop	The object relates to Transit Fennoskan - FS Loop
Z88	Transit DC loop Poland - PL Loop	The object relates to Transit DC loop Poland - PL Loop
Z89	Base load	Base load means that we activate a volume completely disconnected from the market to cover imbalances for operational reliability reasons. Base load can be used in certain scenarios where there are not enough bids to meet the demand that exists.
Z90	Fallback	A fallback procedure has been used
Z91	Requesting assistance	The sender of the document is requesting assistance
Z92	Providing assistance	The sender of the document is providing assistance
Z93	mFRR-D correction	Correction of Manual Frequency Restoration Reserve disturbance (mFRR-D).

Code	Name	Description
Z94	Transit Sydvästlänken – SE4-SE3	The object relates to Loop SE4 - SE3 (Sydvästlänken)
Z95	Time gate	A point in time relative to an operating day
Z96	Rejected by operator	The result has been rejected by the operator
Z97	Mitigate polarity reversals	Mitigating of polarity reversals due to frequently change of electricity flow direction.
Z98	Static reserve	The market reserve type is static. A more specific definition depends on the market in question.
Z99	Dynamic reserve	The market reserve type is dynamic. A more specific definition depends on the market in question.
ZA1	Reference Incident	A reference to the incident that is used as a basis for calculating the needed reserves.
ZA2	Normal Imbalances	The normally expected imbalances used for calculating needed reserves.
ZA3	Non-standard products	A product that is neither standard nor specific.
ZA4	Other	Any other reason.
ZA5	Additional/detailed Resource Id	Used when high granularity is needed in special occasions.
ZA6	Unsatisfied Elastic Demand	How much of the elastic demand for reserve that has NOT been satisfied by the market.
ZA7	Correction, deviation between CM and EAM	Correction due to deviation of volume between bids in the Energy Activation Market (EAM) and commitments in the Capacity Market (CM) according to current terms and conditions.
ZA8	Correction due to missing heartbeat	Correction due to bids made unavailable after missing response on heartbeat.
ZA9	Planned ramping adjustment	Adjustment caused by ramping production plans.
ZB1	Data not applicable due to change of ownership	Data is not applicable because the ownership of the reporting object is changed.

2.10 Role code

Code	Name	Description
Z05		**Deprecated** (Use ***A47****, Energy Trader* instead)
Z06		**Deprecated** (Use ***A44,*** *Regional Security Coordinator (RSC)* instead)
Z07	FFR Service Provider	A party responsible of delivering Fast Frequency Reserve

2.11 Quality type code

Code	Name	Description
Z01	Calculated	The contents of the object are calculated.

2.12 Status type code

Code	Name	Description
Z01	Warning	The system has experienced a problem rated as “Warning”.
Z02	Emergency	The system has experienced a problem rated as “Emergency”.
Z03	Normal	The system has recovered and are back to “Normal”.
Z04	Not available for activation if linked bid activated	Bid not available for activation if linked bid is activated.

3 Nordic codes used in Nordic documents

3.1 Bid type code

Code	Name	Description
Z01	Hourly bid	The details contains hourly bid
Z02	Block bid	The details contains block bid
Z03	Flexible hourly bid	The details contains flexible hourly bid
Z04	Profile block bid	The details contains profile block bid

3.2 Type of Area code

Code	Name	Description
Z01	Bidding Zone (BZ)	The largest geographical area within which market participants are able to exchange energy without capacity allocation. **Source:** Commission Regulation (EU) 543/2013.
Z02	Metering Grid Area (MGA)	A Metering Grid Area is a physical area where consumption, production and exchange can be metered. It is delimited by the placement of meters for period measurement for input to, and withdrawal from the area. It can be used to establish the sum of consumption and production with no period measurement and network losses.

3.3 Production type code

Code	Name	Description
Z01	Normal	A code indicating that the size of the production unit is normal
Z02	Minor	A code indicating that the size of the production unit is minor

3.4 Production Unit Type code

Code	Name	Description
Z01	Nuclear	A Production Unit based on Nuclear power
Z02	Hydro	A Production Unit based on Hydro power
Z03	Thermal	A Production Unit based on Thermal power
Z04	Solar	A Production Unit based on Solar power
Z05	Wind	A Production Unit based on Wind power

3.5 MGA Type code

Code	Name	Description
Z01	Regional	The MGA represent a regional grid
Z02	Only losses	**Deprecated**
Z03	Industrial	The MGA represent an industrial grid
Z04	Distribution	The MGA represent a distribution grid
Z05	Non-concessional	The MGA represent a non-concessional grid
Z06	Production	The MGA represent the production in a grid
Z07	Transmission (main/central grid)	The MGA represent a transmission (main/central grid)
Z99	Sub-Grid Area	The MGA represent a sub-gid area, i.e. a MGA that is not part of the imbalance settlement, but where a supplier change can take place.

3.6 Settlement method code

Code	Name	Description
Z01	Flex settled	**Deprecated** (Use "**E15** Flex settled" instead)